

FORM PTO-1390 (REV. 01-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 1256-01012	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/509065	
INTERNATIONAL APPLICATION NO. PCT/US03/07443		INTERNATIONAL FILING DATE 12 March 2003		PRIORITY DATE CLAIMED 25 March 2002	
TITLE OF INVENTION Use of Carbon-2-Modified-19-Nor-Vitamin D Analogs to Induce the Formation of New Bone					
APPLICANT(S) FOR DO/EO/US Hector F. DELUCA; J. Wesley PIKE; Nirupama K. SHEVDE					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input checked="" type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).					
Items 11 to 20 below concern document(s) or information included:					
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: A. Supplement to Transmittal Letter B. International Preliminary Examination Report					

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/509065		INTERNATIONAL APPLICATION NO. PCT/US03/07443		ATTORNEY'S DOCKET NUMBER 1256-01012	
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21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. \$1080.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$770.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY	
				\$	920.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	0.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	920.00
Total claims	28 - 20 =	8	x \$18.00	\$	144.00
Independent claims	1 - 3 =	0	x \$86.00	\$	0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				\$	0.00
TOTAL OF ABOVE CALCULATIONS =				\$	1,064.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	0.00
SUBTOTAL =				\$	1,064.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	0.00
TOTAL NATIONAL FEE =				\$	1,064.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	0.00
TOTAL FEES ENCLOSED =				\$	1,064.00
				Amount to be refunded:	\$
				charged:	\$

a. ☒ A check in the amount of \$ 1,064.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.


c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 01.2000. A duplicate copy of this sheet is enclosed.

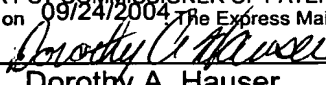
d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card
information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a)
or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:
Andrus, Scales, Starke & Sawall, LLP, 100 East Wisconsin Avenue, Suite 1100,
Milwaukee, WI 53202-4178, (414) 271-7590, Facsimile: (414) 271-5770

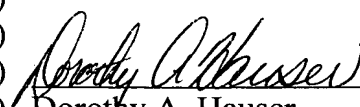
CERTIFICATE OF EXPRESS MAIL:
I hereby certify that this correspondence is being deposited with the United States Postal
Service with sufficient postage as EXPRESS MAIL-POST OFFICE TO ADDRESSEE, in an
envelope addressed to: BOX PCT COMMISSIONER OF PATENTS, P.O. Box 1450,
Alexandria, VA 22313-1450 on 09/24/2004. The Express Mail Label is EV477159545US.


 SIGNATURE
 Joseph D. Kuborn
 NAME
40,689
 REGISTRATION NUMBER
09/24/2004
 Date


 Dorothy A. Hauser

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	) CERTIFICATE OF EXPRESS MAILING
Hector F. DeLuca	) I hereby certify that this correspondence is
J. Wesley Pike	) being deposited with the United States
Nirupama K. Shevde	) Postal Service with sufficient postage as
Filed Herein	) EXPRESS MAIL in an envelope addressed
International Appl. No.	) to: Commissioner for Patents, Alexandria,
PCT/US03/07443	) VA 22313-1450 on this 24th day of
International Filing Date:	) September, 2003. The Express Mail Label
March 12, 2003	) is EV477159545US.
Priority Date Claimed:)
March 25, 2002)
USE OF CARBON-2-MODIFIED-19-	) September 24, 2004
NOR-VITAMIN D ANALOGS TO	) Dorothy A. Hauser Date
INDUCE THE FORMATION OF NEW)
BONE)

SUPPLEMENT TO TRANSMITTAL LETTER

Mail Stop: PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This application is being filed to enter the national stage of the PCT pursuant to 37 C.F.R. §1.495(c). The application includes the specification, at least one claim, and the filing fee. The Declaration is not included. The three inventors are as follows:

Hector F. DeLuca
1809 Highway BB
Deerfield, WI 53531
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J. Wesley Pike
9109 Settler's Road
Madison, WI 53717
Citizenship: United States

Applicant: Hector F. DeLuca et al
Attorney Docket No.: 1256-01012

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Citizenship: United States

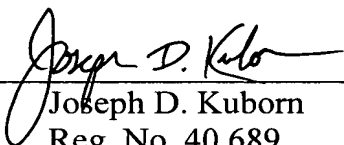
The Declaration will be forwarded promptly upon notification from the U.S.
Patent and Trademark Office.

Please address all correspondence and telephone calls regarding this matter to:

Thomas M. Wozny
ANDRUS, SCEALES, STARKE & SAWALL, LLP
100 East Wisconsin Avenue, Suite 1100
Milwaukee, Wisconsin 53202
(414) 271-7590

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

By 
Joseph D. Kuborn
Reg. No. 40,689

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